

Class II Air Quality Operating Permit Application Form

Facility Name: Click or tap here to enter text.

Existing Facility ID: AClick or tap here to enter text.

Existing Class II AQOP: APClick or tap here to enter text.

Application Type:

- ☐ New AQOP
- ☐ Revision of Existing AQOP
- ☐ Renewal of Existing AQOP



Please Submit Application to:

Nevada Division of Environmental Protection
Bureau of Air Pollution Control, Class II Permitting Branch
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701-5249
Phone (775) 687-9349 Fax (775) 687-6396

August 2016

IMPORTANT INFORMATION

- The Application packet contains:
 - General Company Information Form
 - Industrial Process Form
 - Combustion Equipment Form
 - Storage Silo Form
 - Liquid Storage Tanks Form
 - Insignificant Activities Form
 - Facility-Wide Potential to Emit Table
 - Surface Area Disturbance Form
 - Application Certification Document with Required Attachments
- Please see the Guidance Document for additional instructions on how to complete the application.
- The application is available from the Nevada Division of Environmental Protection – Bureau of Air Pollution Control (BAPC) in a Microsoft Word file, or on the internet at <http://ndep.nv.gov/bapc/permitting/permitd.html>. A printed copy of the application must be submitted (mailed or hand delivered), along with an electronic version.
- The application filing fee required by Nevada Administrative Code (NAC) 445B.327 must be submitted with the completed application. Checks must be made payable to the “Nevada State Treasurer, Environmental Protection” with “BAPC” noted in the memo line. Fees may also be submitted electronically at <https://epayments.ndep.nv.gov/>.
- This application shall be used for new Class II sources, revisions to existing Class II Air Quality Operating Permits, and the renewal of Class II Air Quality Operating Permits. This application packet is not for use for an Administrative Amendment, a general permit, a stand-alone Surface Area Disturbance (SAD) permit, nor for a Request for Change of Location Approval permit for a temporary source.
- An application for a Class II Air Quality Operating Permit must be signed by the Responsible Official, as defined in NAC 445B.156. The certification/signature page is the last page of the application and the original “wet” signature must be provided.
- All items in the application must be addressed. If an item does not apply “N/A” or similar notation must be entered in the appropriate blank. All other information must be provided. Incomplete applications will be returned to the Responsible Official within 10 working days of receipt of the application.
- For the renewal of a Class II Operating Permit, a complete application and corresponding processing fee must be submitted in accordance with NAC 445B.3473, prior to the expiration date of the current permit. The BAPC suggests that the application be submitted well in advance of the timeline outlined in NAC 445B.3473 to ensure the application is deemed complete.
- If the facility applies for a permit that has not previously held a Class I or Class II operating permit, is located within 1,000 feet of a school, hospital, or residential area, or the Director determines that the change to the stationary source results in an increase in allowable emissions that exceeds the thresholds in NAC 445B.3457, the BAPC shall establish a 30-day period for public participation.

GENERAL COMPANY INFORMATION FORM

1. Briefly describe the permitted facility's process and include the Standard Industrial Classification (SIC) number. Add details in the attached Process Narrative.

2. Company Name and Address that are to appear on the operating permit [NAC 445B.295.1]:

Name: _____
Address: _____
City: _____
State: _____ Zip Code: _____

3. Owner's Name and Address [NAC 445B.295.1]:

Name: _____
Address: _____
City: _____
State: _____ Zip Code: _____

4. Facility Name and Address, if different from #2 [NAC 445B.295.1]:

Name: _____
Address: _____
City: _____
State: _____ Zip Code: _____

5. If records are required under the operating permit will be kept at a location other than the facility, specify that location [NAC 445B.295.7]:

Name: _____
Address: _____
City: _____
State: _____ Zip Code: _____

GENERAL COMPANY INFORMATION FORM (continued)**6. Responsible Official Name, Title and Mailing Address [NAC 445B.295.1]:**

Name: _____
 Title: _____
 Address: _____
 City: _____
 State: _____ Zip Code: _____
 Phone Number: (xxx) xxx-xxxx
 Fax Number: (xxx) xxx-xxxx
 E-mail Address: _____

7. Plant Manager or other appropriate Contact Name, Title and Address [NAC 445B.295.1]:

Name: _____
 Title: _____
 Address: _____
 City: _____
 State: _____ Zip Code: _____
 Phone Number: (xxx) xxx-xxxx
 Fax Number: (xxx) xxx-xxxx
 E-mail Address: _____

8. Location and Driving Directions to the Facility (For Example: From Elko, Nevada, 4 miles south of I-80 at xx Interchange) [NAC 445B.295.8]:

Township(s): _____ N; Range(s): _____ E; Section(s): _____

UTM Coordinates for the Front Gate of the Facility (NAD 83, Zone 11):

_____ m North; _____ m East;

Nearest City: _____

County: _____

Driving Directions from nearest city to the Facility:

GENERAL COMPANY INFORMATION FORM (continued)**9. Emission Cap Requested [NAC 445B.070 and NAC 445B.296.2]:**

☐ Yes ☐ No (If yes, provide details in the attached Process Narrative)

10. Important note for completing the Industrial Process, Combustion Equipment, Storage Silo, and Liquid Storage Tank Application forms: forms need to be included for permitted emission units and insignificant activities. Provide additional forms as needed. All items in the application must be addressed. If an item does not apply then “N/A” or similar notation must be entered in the appropriate blank (TBD, unknown, etc.).

11. Is the Facility located within 1,000 feet of a school, hospital, or residential area?

☐ Yes ☐ No

12. Does the Facility require controls or other limit restrictions to remain a Class II source?

☐ Yes ☐ No

INDUSTRIAL PROCESS APPLICATION FORM CLASS II OPERATING PERMIT

Emission Unit Description: _____

Alternative Operating Scenario: ☐ Yes ☐ No

Insignificant Activity: ☐ Yes ☐ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☐ No If yes, identify in attached Process Narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID and System Number <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001 System Number: 5	
	Source Classification Code (SCC)		
	Manufacturer		
	Date Manufactured		
	Model Number		
	Equipment Dimensions (LxWxH)	feet	
	Drop Dimensions (LxWxH) <i>if applicable</i>	feet	
	Emissions Released Inside building?	yes/no	
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters	Material Type Processed		
	Operating Time per Day	hour/day	
	Operating Time per Year	hour/year	
	Hourly Throughput Rate	unit/hour	
	Annual Throughput Rate	unit/year	
	Batch Process <i>if applicable</i>	unit/batch	
	Start Time <i>if operating less than 24 hours/day</i>	hour:minute	
	End Time <i>if operating less than 24 hours/day</i>	hour:minute	
Control Equipment	Type of Control		
	Control Efficiency	%	
	Pollutant(s) Controlled		
	Manufacturer		
	Manufacturer's Guarantee Included?	yes/N/A	
Stack Parameters	Stack Height	feet	
	Stack Inside Diameter	feet	
	Stack Temperature	°F	
	Stack Exit Velocity	feet/second	
	Gas Volume Flow Rate	acfm	
	Gas Volume Flow Rate	dscfm	
	Stack Release Type	Vertical/Capped/ Horizontal	

INDUSTRIAL PROCESS APPLICATION FORM

CLASS II OPERATING PERMIT (continued)

Emission Unit Description: _____

Description			Data
Particulate Matter (PM) Emissions	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Particulate Matter as PM₁₀ Emissions	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Particulate Matter as PM_{2.5} Emissions	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Other Pollutants	Pollutant Name		
	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	

COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT

Emission Unit Description: _____

Alternative Operating Scenario: ☐ Yes ☐ No

Insignificant Activity: ☐ Yes ☐ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☐ No If yes, identify in process narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID and System Number <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001 Sys Number: 5	
	Source Classification Code (SCC)		
	Manufacturer		
	Date Manufactured		
	Model and Serial Number		
	Max Design Heat Input [NAC 445B.3135]	MMBtu/hour	
	Emissions Released Inside building?	yes/no	
For Reciprocating Internal Combustion Engines (RICE) Only	Max Design Horsepower Output	hp (kW)	
	Type of Engine Code (See Notes*)		
	Date Constructed	month/day/yr	
	Cylinder Displacement	liter/cylinder	
	EPA Tier #		
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	
	UTM Easting (NAD 83, Zone 11)	m	
Operating Parameters /Fuel Usage	Fuel Type		
	Operating Time per Day	hour/day	
	Operating Time per Year	hour/year	
	Hourly Usage Rate <i>Maximum</i> Provide Equipment Specification Sheet	unit/hour	
	Annual Usage Rate <i>Maximum</i>	unit/year	
	Sulfur Content	%	
	Heat Content	Btu/unit	
	Start Time <i>if operating less than 24 hours/day</i>	hour:minute	
	End Time <i>if operating less than 24 hours/day</i>	hour:minute	

***Notes:**

Code	Description	Code	Description
LU	Limited Use	E-SI	Emergency Spark Ignition
LDG	Landfill/Digester Gas	SI4SRB	Spark Ignition 4-Stroke Rich Burn
NECI	Non-Emergency Compression Ignition	SI4SLB	Spark Ignition 4-Stroke Lean Burn
ECI	Emergency Compression Ignition	S12SLB	Spark Ignition 2-Stroke Lean Burn

COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT (continued)

Emission Unit Description: _____

Description			Data
Control Equipment	Type of Control		
	Control Efficiency	%	
	Pollutant(s) Controlled		
	Manufacturer		
	Manufacturer's Guarantee Included?	yes/N/A	
Stack Parameters	Stack Height	feet	
	Stack Inside Diameter	feet	
	Stack Temperature	°F	
	Stack Exit Velocity	feet/second	
	Gas Volume Flow Rate	acfm	
	Gas Volume Flow Rate	dscfm	
	Stack Release Type	Vertical/Capped/ Horizontal	
Particulate Matter (PM) Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Particulate Matter as PM₁₀ Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Particulate Matter as PM_{2.5} Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Sulfur Dioxide (SO₂) Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Oxides of Nitrogen (NO_x) Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Carbon Monoxide (CO) Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	

COMBUSTION EQUIPMENT APPLICATION FORM CLASS II OPERATING PERMIT (continued)

Emission Unit Description: _____

Description			Data
Volatile Organic Compounds (VOC) Emissions	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Hazardous Air Pollutants (HAPs) Emissions <i>Specify Each</i>	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Greenhouse Gases (CO_{2e}) Emissions	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Other Pollutants	Pollutant Name		
	Emission Factor (with units)	<i>(insert units)</i>	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	

STORAGE SILO APPLICATION FORM CLASS II OPERATING PERMIT

Emission Unit Description: _____

Alternative Operating Scenario: ☐ Yes ☐ No

Insignificant Activity: ☐ Yes ☐ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☐ No If yes, identify in process narrative.

Description			Data	
			Silo Loading	Silo Unloading
Equipment Description	BAPC Emission Unit ID and System Number <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001 System Number: 5		
	Source Classification Code (SCC)			
	Manufacturer			
	Date Manufactured			
	Model Number			
	Equipment Dimensions (LxWxH)	feet		
	Drop Dimensions (LxWxH) if applicable	feet		
	Emissions Released Inside building?	yes/no		
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m		
	UTM Easting (NAD 83, Zone 11)	m		
Operating Parameters	Material Type Processed			
	Operating Time per Day	hour/day		
	Operating Time per Year	hour/year		
	Hourly Throughput Rate	unit/hour		
	Annual Throughput Rate	unit/year		
	Batch Process <i>if applicable</i>	unit/batch		
	Start Time <i>if operating less than 24 hours/day</i>	hour:minute		
	End Time <i>if operating less than 24 hours/day</i>	hour:minute		
Control Equipment	Type of Control			
	Control Efficiency	%		
	Pollutant(s) Controlled			
	Manufacturer			
	Manufacturer's Guarantee Included?	yes/N/A		

STORAGE SILO APPLICATION FORM CLASS II OPERATING PERMIT (continued)

Emission Unit Description: _____

Description			Data	
Stack Parameters	Stack Height	feet		
	Stack Inside Diameter	feet		
	Stack Temperature	°F		
	Stack Exit Velocity	feet/second		
	Gas Volume Flow Rate	acfm		
	Gas Volume Flow Rate	dscfm		
	Stack Release Type	Vertical/Capped/ Horizontal		
Particulate Matter (PM) Emissions	Emission Factor (with units)	(insert units)		
	Emission Factor Reference			
	Emission Limit	pound/hour		
	Emission Limit	ton/year		
Particulate Matter as PM₁₀ Emissions	Emission Factor (with units)	(insert units)		
	Emission Factor Reference			
	Emission Limit	pound/hour		
	Emission Limit	ton/year		
Particulate Matter as PM_{2.5} Emissions	Emission Factor (with units)	(insert units)		
	Emission Factor Reference			
	Emission Limit	pound/hour		
	Emission Limit	ton/year		
Other Pollutants	Pollutant Name			
	Emission Factor (with units)	(insert units)		
	Emission Factor Reference			
	Emission Limit	pound/hour		
	Emission Limit	ton/year		

LIQUID STORAGE TANK APPLICATION FORM CLASS II OPERATING PERMIT

Emission Unit Description: _____

Alternative Operating Scenario: ☐ Yes ☐ No

Insignificant Activity: ☐ Yes ☐ No If yes, identify exemption regulation: _____

Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☐ Yes ☐ No If yes, identify in process narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID and System Number <i>Applicable for Renewal or Revision</i>	eg. Unit ID: S2.001, PF1.001 System Number: 5	
	Source Classification Code (SCC)		
	Manufacturer		
	Date Manufactured		
	Model Number		
	Heated Tank	yes/no	
	Shell Height	feet	
	Shell Diameter	feet	
	Maximum Liquid Height	feet	
	Average Liquid Height	feet	
	Capacity of Tank	gallons	
	Shell Color		
	Roof Condition	good/poor	
	Roof Type (Cone, Dome, External, or Internal Floating Roof)		
	Roof Height	feet	
	Cone Roof Slope		
	Dome Roof Radius	feet	
	True Vapor Pressure of Liquid	psig	
	Reid Vapor Pressure of Liquid	psig	
	Orientation of Tank	Horizontal/Vertical	
Submerged Fill [NAC 445B.22093.3]	yes/no		
Equipment Dimensions (LxWxH)	feet		
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	
	UTM Easting (NAD 83, Zone 11)	m	

LIQUID STORAGE TANKS APPLICATION FORM CLASS II OPERATING PERMIT (continued)

Emission Unit Description: _____

Description			Data
Operating Parameters	Material Type		
	Operating Time per Year	hour/year	
	Maximum Throughput	gallon/hour	
	Maximum Throughput	gallon/year	
Control Equipment	Type of Control		
	Control Efficiency	%	
	Pollutant(s) Controlled		
	Manufacturer		
	Manufacturer's Guarantee Included?	yes/no	
Volatile Organic Compounds (VOC) Emissions	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	
Other Pollutants	Emission Factor (with units)	(insert units)	
	Emission Factor Reference		
	Emission Limit	pound/hour	
	Emission Limit	ton/year	

**FACILITY-WIDE POTENTIAL TO EMIT TABLE
(FOR ALL SOURCES INCLUDING INSIGNIFICANT ACTIVITIES)
(POUNDS/HOUR AND TONS/YEAR)**

Pollutant	Facility-Wide Potential to Emit (pounds/hour)	Facility-Wide Potential to Emit (tons/year)
Total Particulate Matter (PM)		
Total PM ₁₀		
Total PM _{2.5}		
Total Sulfur Dioxide (SO ₂)		
Total Carbon Monoxide (CO)		
Total Oxides of Nitrogen (NO _x)		
Total Volatile Organic Compounds (VOC)		
Total Lead (Pb)		
Total Hydrogen Sulfide (H ₂ S)		
Total Sulfuric Acid Mist (H ₂ SO ₄)		
Total Hazardous Air Pollutants (HAPs)		
Total Greenhouse Gases (CO _{2e})		
Other Regulated Pollutants (Specify)		

Please complete the table below if this application is for the **Revision** of an existing Class II Air Quality Operating Permit. Add more columns if needed for any other applicable regulated pollutants. All values must be in tons per year (TPY) [NAC 445B.3457.5(b)]

[illegible]

SURFACE AREA DISTURBANCE FORM

1. Total Acres of the Facility Site: Click or tap here to enter text.
2. Total Acres Disturbed: Click or tap here to enter text.
3. Add Surface Area Disturbance location as Township(s), Range(s) and Section
Click or tap here to enter text.
4. A Descriptive Surface Area Disturbance Plan is required to be attached to this application for Surface Area Disturbance greater than 20 acres or for Surface Area Disturbance that occurs in Pahrump Valley (HA 162) of 5 acres or more. In addition, attach a narrative that includes an introduction, contact and location information, site description and associated maps, a description of dust control measures to be utilized, and certification signed by the Responsible Official.
5. If the Surface Area Disturbance is greater than 5 acres, please check each box that applies for Best Management Practices (BMPs) used for controlling dust on project's disturbed areas:
 - ☐ Water trucks
 - ☐ Graveling/paving of roadway storage areas and staging areas
 - ☐ Dust palliatives
 - ☐ Posting and limiting vehicle speeds to 10-15 miles per hour
 - ☐ Ceasing operations during high wind events
 - ☐ Fencing or berming to prevent unauthorized access to disturbed areas
 - ☐ Application of water sprays on material storage piles on a regular basis
 - ☐ Covering material storage piles with tarpaulin or geo-textiles; tenting
 - ☐ Use of overhead water spray racks or water hoses
 - ☐ Track-out controls (graveled entranced, exit area, and street sweeping)
 - ☐ Landscape preservation and impact avoidance
 - ☐ Wind fence
 - ☐ Pre-watering of areas to be disturbed (including all unpaved onsite roads and staging areas)
 - ☐ Inform all subcontractors (including truck drivers) of their responsibilities for the control of fugitive dust while they are on the project site
 - ☐ Training of equipment operators to recognize fugitive dust generation and having the authority to shut down operations until water truck arrives and sprays water on the disturbed areas
 - ☐ Other Applicable BMPs: Click or tap here to enter text.
 - ☐ Other Applicable BMPs: Click or tap here to enter text.
 - ☐ If using water trucks, list how many water trucks are used and their capacity in gallons:
Click or tap here to enter text.

APPLICATION CERTIFICATION DOCUMENT

(With Required Attachments)

Please check all applicable boxes below to indicate the information provided in your application submittal:

- ☐ General Company Information Form
- ☐ Industrial Process Form(s)
- ☐ Combustion Equipment Form(s)
- ☐ Storage Silos Form(s)
- ☐ Liquid Storage Tank Form(s)
- ☐ Facility-Wide Potential to Emit Table
- ☐ Surface Area Disturbance Form
- ☐ Detailed Emission Calculations (for all emission units including IA units)
- ☐ Process Narrative
- ☐ Process Flow Diagram(s)
- ☐ Site Plan(s) showing the locations (UTM coordinates), dimensions, and heights of buildings on the site
- ☐ Maps:
 - ☐ Vicinity Map of where the facility is located in the State.
 - ☐ Area Map of the Facility (including location of all emission units, location of front gate, and fence line)
 - ☐ A map showing the location of the stationary source and the topography of the area, including existing principal streets, roads and highways within 3 miles of the stationary source
- ☐ Descriptive Surface Area Disturbance Plan
- ☐ Environmental Evaluation (AERMOD Air Dispersion Modeling) *if applicable*
[NAC 445B.310]
- ☐ Manufacturer's Guarantee Certifications *if applicable*
- ☐ Equipment Specification Sheets *if applicable*
- ☐ TANKs Modeling Output *if applicable*
- ☐ Application Fee Attached or Electronically Submitted
- ☐ Digital Copy of Application on CD or Thumb Drive
- ☐ Application Certification Document with Original Signature

PLEASE NOTE THE FOLLOWING REQUIREMENTS WHICH APPLY TO PERMIT APPLICANTS DURING THE APPLICATION PROCESS:

- A. A permit applicant must submit supplementary facts or corrected information upon discovery [NAC 445B.297.1(b)].
- B. A permit applicant is required to provide any additional information which the Director requests in writing within the time specified in the Director's request [NAC 445B.297.1(c)].
- C. Submission of fraudulent data or other information may result in prosecution for an alleged criminal offense [NRS 445B.470].

CERTIFICATION:

I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete.

Signature of Responsible Official

Print or Type Name and Title

Date